LABDEX

Air Jacketed Co2 Incubator LX101AJI

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Description

Air Jacketed CO2 Incubator LX101AJI is designed with polished stainless-steel shelves and semicircular arcs at corners for easy cleaning and a microprocessor-based PID controller with a large LCD screen. Delivers a higher level of performance for a dependable in-vitro growth environment through an air jacket that provides true temperature uniformity and CO2 gas control. Equipped with a Hot Air sterilizing Circulation System and UV light system for periodic sterilization of the chamber (optional) which stands as the ultimate reason behind a successful incubation.

Specifications

Chamber volume	155 L
Shelves	3 Pcs
Heating method	Air-jacketed, PID Control
Temperature range	RT + 5 ~ 55 ℃
Ambient temperature	RT + 5 ~ 30 ℃
Temperature stability	± 0.1 ℃
CO2 Range	0 ~ 20 % V/V
CO2 Control resolution	± 0.1 % (IR sensor)
CO2 Recovery	(Door open 30 S, recovery to 5 %) ≤ 3 min
Temperature recovery	(Door open 30 S, recovery to 37 °C) ≤ 8 min
Humidity method	Natural vaporization > 95 %
Voltage	AC 220 V / 50 Hz

Power consumption	750 W
Interior dimension (W x D x H)	480 x 530 x 610 mm
Exterior dimension (W x D x H)	670 x 767 x 880 mm
Packing dimension (W x D x H)	840 x 790 x 1070 mm
Gross weight	115 Kg

Features

- Microprocessor-based PID controller with a large LCD screen
- Standard sterilization method is 90° moist heat disinfection
- Stainless-steel chamber, shelves and semicircular arcs
- Microorganism filter at inlet provides 99% filtration of bacteria and dust as well as supplies pure CO2 into the incubator
- Auto-controller of fan speed to prevent sample damage
- Doors temperature controller prevents dewfall on the glass doors
- Separate temperature-limiting alarm system for safe usage
- Alarm function for temperature difference, over CO2 concentration, doors open time, UV working status, etc

Applications

- Used in tissue culture, in vitro fertilization, Neuroscience, Cancer research, Stem cell research, Regenerative medicine, Mammalian cell research, etc.

Optional Accessories

- Humidity display
- RS485 connector
- CO2 pressure-releasing valve
- UV sterilization

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